



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

8/7  
1-2-03

In re the Application of: **Fumiyasu HIRAI et al.**

Group Art Unit: 1724

Serial No.: 09/961,265

Examiner: Ivars C. Cintins

Filed: September 25, 2001

P.T.O. Confirmation No.: 8050

For: **ADSORBENT, ADSORBING AND REMOVING PROCESS AND ADSORBER FOR ENDOGENOUS CANNABINOID**

AMENDMENT UNDER 37 C.F.R. §1.111

Commissioner for Patents  
Washington, D.C. 20231

December 11, 2002

Sir:

In response to the Office Action dated September 11, 2002, Applicants amend the above-identified application as follows:

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IN THE CLAIMS:

Please amend claim 5 as follows:

5. (Amended) A process for adsorbing and removing endogenous cannabinoid comprising a step for contacting an adsorbent for endogenous cannabinoid comprising a water-insoluble material containing a substance whose solubility parameter  $\delta$  is at most 12 ((cal/cm<sup>3</sup>)<sup>1/2</sup>) with fluid containing endogenous cannabinoid, wherein the substance whose solubility parameter  $\delta$  is at most 12 ((cal/cm<sup>3</sup>)<sup>1/2</sup>) is at least one substance selected from the group consisting of polyethylene, polypropylene, poly(methacrylate ester), poly(acrylate ester), poly (vinyl chloride) polystyrene, a styrene-divinyl benzene copolymer, nylon 6, nylon 66, polytetrafluoroethylene, polysulfone and polyurethane.

**Please add new claim 8 as follows:**

8. (New) A process for cleansing endogenous cannabinoid from a body fluid, comprising the steps of:

providing an adsorbent for endogenous cannabinoid comprising a water-insoluble material

$\beta_2$  containing a substance whose solubility parameter  $\delta$  is at most 12 ((cal/cm<sup>3</sup>)<sup>1/2</sup>);

removing body fluid from a living body;

contacting said adsorbent with said body fluid; and

returning said body fluid to said body.

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